

ANALYTICA CHIMICA ACTA, VOL. 248 (1991)

AUTHOR INDEX

- Abu Nader, P.
— and Williams, R.R.
Microcontroller-based remote analysis station 285
- Aishima, T.
— and Nakai, S.
Deconvolution of gas chromatographic profiles for multi-component model mixtures and essential oils by the simplex algorithm 41
- Alder, J.F., see Fox, C.G. 337
- Alimonti, A., see Caroli, S. 241
- Aminot, A.
— and Kerouel, R.
Autoclaved sea water as a reference material for the determination of nitrate and phosphate in sea water 277
- Anzai, J.-i.
— and Liu, C.-C.
Potentiometric response of poly(vinyl chloride)-valinomycin membrane potassium ion sensors to non-ionic alcohols 323
- Ashkenazi, P.
—, Yarnitzky, C. and Cais, M.
Determination of synthetic food colours by means of a novel sample preparation system 289
- Barone III, G.C.
—, Halsall, H.B. and Heineman, W.R.
Electrochemistry of azidothymidine 399
- Basu, S., see Chatterjee, A. 507
- Beenackers, A.M.T., see Heerma, W. 553
- Bennekou, W.P., see Halvax, J.J. 473
- Bergveld, P., see Cobben, P.L.H.M. 307
- Blankenstein, G.
— and Kula, M.-R.
Cell permeabilization as a tool for measurement of intracellular enzyme activity in a flow-injection system 371
- Boguslavsky, L.I., see Hale, P.D. 155
- Bomer, J.G., see Cobben, P.L.H.M. 307
- Bos, M., see Palys, M. 429
- Bowers, M.L.
—, Hefter, J., Dugger, D.L. and Wilson, R.
Solid-state analytical characterization of electrochemically modified glassy carbon electrodes 127
- Brown, R.S.
— and Gilfrich, N.L.
Design and performance of a matrix-assisted laser desorption time-of-flight mass spectrometer utilizing a pulsed nitrogen laser 541
- Bult, A., see Halvax, J.J. 473, 483
- Cais, M., see Ashkenazi, P. 289
- Caroli, S.
—, Alimonti, A., Petrucci, F. and Horváth, Z.
On-line preconcentration and determination of trace elements by flow injection-inductively coupled plasma atomic emission spectrometry 241
- Casassas, E., see Tauler, R. 447
- Casella, I.G.
—, Desimoni, E. and Cataldi, T.R.I.
Study of a nickel-catalysed glassy carbon electrode for detection of carbohydrates in liquid chromatography and flow-injection analysis 117
- Cataldi, T.R.I., see Casella, I.G. 117
- Ceccon, L., see Favretto, L. 51
- Chang, H.
— and Johnson, D.C.
Voltammetric response of dimethyl sulphoxide at gold electrodes modified by thin films of bismuth-doped lead dioxide 85
- Chang, W.-B., see Ci, Y.-X. 589
- Chatterjee, A.
— and Basu, S.
Liquid-liquid extraction of vanadium(IV) with adipate and Adogen-464 507
- Chayama, K.
— and Sekido, E.
Liquid-liquid extraction of copper(II) with cyclic and acyclic tetrathioethers 511
- Ci, Y.-X.
—, Li, Y.-Z. and Chang, W.-B.
Fluorescence reaction of terbium(III) with nucleic acids in the presence of phenanthroline 589
- Cobben, P.L.H.M.
—, Egberink, R.J.M., Bomer, J.G., Sudhölter, E.J.R., Bergveld, P. and Reinhoudt, D.N.
Chemically modified ion-sensitive field-effect transistors: application in flow-injection analysis cells without polymeric encapsulation and wire bonding 307
- Cote, G., see Saab, W. 235
- Craig, P.J., see Rapsomanikis, S. 563
- Daniels, R.S.
— and Wigfield, D.C.
Gas-phase adsorptional losses of elemental mercury in cold-vapor atomic absorption spectrometry 575
- Davies, S.H.R.
— and Masten, S.J.
Spectrophotometric method for ascorbic acid using dichlo-

- rophenolindophenol: elimination of the interference due to iron 225
- Deiana, S.
—, Gessa, C., Usai, M., Piu, P. and Seeber, R.
Analytical study of the reduction of chromium(VI) by D-galacturonic acid 301
- Desimoni, E., see Casella, I.G. 117
- Dmitriev, S.N.
—, Krasnov, A.V. and Lebedev, V.Y.
Isolation of gold from geological samples by microwave plasma for neutron activation analysis 579
- Dremel, B.A.A.
—, Schmid, R.D. and Wolfbeis, O.S.
Comparison of two fibre-optic L-glutamate biosensors based on the detection of oxygen or carbon dioxide, and their application in combination with flow-injection analysis to the determination of glutamate 351
- Dugger, D.L., see Bowers, M.L. 127
- Egan, C.B., see Smith, F.G. 229
- Egberink, R.J.M., see Cobben, P.L.H.M. 307
- El-Anwar, F., see Walily, A.F.E. 583
- Elomaa, M., see Kaljurand, M. 271
- Ersin Karagözler, A.
—, Yavuz Ataman, O., Galal, A., Xue, Z.-L., Zimmer, H. and Mark, Jr., H.B.
Potentiometric iodide ion sensor based on a conducting poly(3-methylthiophene) polymer film electrode 163
- Favretto, L.
—, Gabrielli Favretto, L., Ceccon, L. and Vojnovic, D.
Differentiation of wild oysters from three sites by chemometric procedures 51
- Fedurco, M., see Markušová, K. 109
- Felinger, A.
—, Pap, T.L. and Inczédy, J.
Improvement of the signal-to-noise ratio of chromatographic peaks by Fourier transform 441
- Fox, C.G.
— and Alder, J.F.
Development of humidity correction algorithm for surface acoustic wave sensors. Part 1. Water adsorption isotherms on coated surface acoustic wave sensors 337
- Freiser, H., see Stevens, A.C. 315
- Fürst, A., see Pretsch, E. 415
- Furton, K.G.
— and Rein, J.
Effect of microextractor cell geometry on supercritical fluid extraction recoveries and correlations with supercritical fluid chromatographic data 263
- Furusawa, M., see Kiba, N. 367
- Gabrielli Favretto, L., see Favretto, L. 51
- Galal, A., see Ersin Karagözler, A. 163
- Gasteiger, J., see Zupan, J. 1
- Gessa, C., see Deiana, S. 301
- Giese, R.W., see Kresbach, G.M. 615
- Gilfrich, N.L., see Brown, R.S. 541
- Grimalt, J.O.
— and Olivé, J.
Log-normal derived equations for the determination of chromatographic peak parameters from graphical measurements 59
- Hale, P.D.
—, Boguslavsky, L.I., Karan, H.I., Lan, H.L., Lee, H.S., Okamoto, Y. and Skotheim, T.A.
Investigation of viologen derivatives as electron-transfer mediators in amperometric glucose sensors 155
- Halsall, H.B., see Barone III, G.C. 399
- Halvax, J.J.
—, Reijn, J.M., Wiese, G., Bennekomp, W.P. and Bult, A.
Computer-aided method for studying the extraction behaviour and determining the extraction constants of ion pairs. Part 1. Description and characteristics of the method 473
—, Reijn, J.M., Wiese, G., Van Bennekomp, W.P. and Bult, A.
Computer-aided method for studying the extraction behaviour and determining the extraction constants of ion pairs. Part 2. Statistical evaluation of the method 483
- Heerma, W.
—, Versluis, C., Lankhof, H., Oudejans, R.C.H.M., Kooiman, F.P. and Beenackers, A.M.T.
Structure determination of adipokinetic hormones using fast atom bombardment tandem mass spectrometry: an unknown adipokinetic hormone (AKH-III) from *Locusta migratoria* 553
- Hefter, J., see Bowers, M.L. 127
- Heineman, W.R., see Barone III, G.C. 399
- Horváth, Z., see Caroli, S. 241
- Houk, R.S., see Smith, F.G. 229
- Hu, S.
—, Yan, Y. and Zhao, Z.
Determination of progesterone based on the enhancement effect of surfactants in linear sweep polarography 103
- Hu, Z.
— and Qi, D.
Water hardness ion-selective electrode based on a neutral carrier 177
- Inczédy, J., see Felinger, A. 441
- Ishida, R., see Nukatsuka, I. 529
- Izquierdo-Ridorsa, A., see Tauler, R. 447
- Jančář, L.
— and Wegscheider, W.
Effect of scaling regimes on the prediction of analytical results from multivariate calibration 459
- Johnson, D.C., see Chang, H. 85
- Johnson, M.E.
— and Voigtman, E.
Use of auto-by-cross correlation for the quantification of

- transient signals in multiphoton photoionization spectroscopy 195
- Jurs, P.C., see Ranc, M.L. 183
- Kai, M., see Kojima, E. 213
- Kaljurand, M.
—, Elomaa, M. and Plit, L.
Dynamic headspace analysis of polyolefins by correlation chromatography 271
- Karan, H.I., see Hale, P.D. 155
- Kauppinen, M., see Smolander, K. 569
- Kerouel, R., see Aminot, A. 277
- Kiba, N.
—, Matsushita, R., Oyama, Y. and Furusawa, M.
Sorbitol dehydrogenase reactor for fluorimetric detection of alditols in a liquid chromatographic system 367
- Kihara, S., see Tsurubou, S. 501
- Kobayashi, N., see Yao, T. 345
- Kojima, E.
—, Kai, M. and Ohkura, Y.
Phenylglyoxal as a fluorogenic reagent selective for tryptophan 213
- Kooiman, F.P., see Heerma, W. 553
- Krasnov, A.V., see Dmitriev, S.N. 579
- Kresbach, G.M.
—, Saha, B. and Giese, R.W.
Apparatus for analytical scale hydrogenation reactions at elevated temperatures and pressures 615
- Kubáň, V.
Determination of octan-1-ol-water partition coefficients by flow-injection extraction without phase separation 493
- Kula, M.-R., see Blankenstein, G. 371
- Kuo, H.-H., see Schramm, W. 517
- Lan, H.L., see Hale, P.D. 155
- Lankhof, H., see Heerma, W. 553
- Lebedev, V.Y., see Dmitriev, S.N. 579
- Lee, H.S., see Hale, P.D. 155
- Li, Y.-Z., see Ci, Y.-X. 589
- Li, Z.
—, Yu, R., Shi, L., Xu, J., Zhang, M. and Wang, Q.
Valence-state speciation of sulfur by x-ray fluorescence spectrometry and Kalman filtering 257
- Liu, C.-C., see Anzai, J.-i. 323
- Mark, Jr., H.B., see Ersin Karagözler, A. 163
- Markušová, K.
— and Fedurco, M.
Vitamin B₁₂ as coordinating agent for the voltammetric determination of nitrite in natural waters 109
- Masoom, M., see Yaqoob, M. 219
- Masten, S.J., see Davies, S.H.R. 225
- Matsui, M., see Tsurubou, S. 501
- Matsusaki, K.
Chemical modification for the determination of bismuth by atomic absorption spectrometry with electrothermal atomization 251
- Matsushita, R., see Kiba, N. 367
- Matuszewski, W.
— and Meyerhoff, M.E.
Continuous monitoring of gas-phase species at trace levels with electrochemical detectors. Part 1. Direct amperometric measurement of hydrogen peroxide and enzyme-based detection of alcohols and sulfur dioxide 379
— and Meyerhoff, M.E.
Continuous monitoring of gas-phase species at trace levels with electrochemical detectors. Part 2. Detection of chlorine and hydrogen chloride 391
- McAleer, J.F., see Vaughan, P.A. 361
- Meyerhoff, M.E., see Matuszewski, W. 379, 391
- Mitsui, T., see Nomura, T. 329
- Miura, T., see Nukatsuka, I. 529
- Nakai, S., see Aishima, T. 41
- Nisman, R., see Thompson, M. 143
- Nomura, T.
—, Yanagihara, T. and Mitsui, T.
Electrode-separated piezoelectric quartz crystal and its application as a detector for liquid chromatography 329
- Nukatsuka, I.
—, Miura, T., Ohzeki, K. and Ishida, R.
Collection of niobium-phenylfluorone complex on a membrane filter for the determination of traces of niobium by solid-phase spectrophotometry 529
- Ohkura, Y., see Kojima, E. 213
- Ohzeki, K., see Nukatsuka, I. 529
- Okamoto, Y., see Hale, P.D. 155
- Olivé, J., see Grimalt, J.O. 59
- Oudejans, R.C.H.M., see Heerma, W. 553
- Oyama, Y., see Kiba, N. 367
- Paek, S.-H., see Schramm, W. 517
- Pałys, M.
—, Bos, M. and Van der Linden, W.E.
Automatic polarographic elucidation of electrode mechanisms by means of a knowledge-based system. Part 2. Staircase voltammetry, convolution voltammetry and chronocoulometry applied to simple mechanisms 429
- Pap, T.L., see Felinger, A. 441
- Petersen, W.
Computer-assisted polarography and voltammetry. Applications to kinetic studies of metal complexation 77
- Petrucchi, F., see Caroli, S. 241
- Piu, P., see Deiana, S. 301
- Pletcher, D.
— and Valdes, E.M.
Determination of cyanide based on a gold microband electrode 173
- Plit, L., see Kaljurand, M. 271
- Powell, H.K.J.
— and Town, R.M.
Interaction of humic substances with hydrophobic metal complexes: a study by anodic stripping voltammetry and spectrophotometry 95

- Pretsch, E.
—, Fürst, A. and Robien, W.
Parameter set for the prediction of the ^{13}C -NMR chemical shifts of sp^2 - and sp -hybridized carbon atoms in organic compounds 415
- Qi, D., see Hu, Z. 177
- Rahn, R.O.
Determination of iodide formed from inorganic iodine in aqueous solution 595
- Ranc, M.L.
— and Jurs, P.C.
Simulation of carbon-13 nuclear magnetic resonance spectra of quinolines and isoquinolines 183
- Rapsomanikis, S.
— and Craig, P.J.
Speciation of mercury and methylmercury compounds in aqueous samples by chromatography-atomic absorption spectrometry after ethylation with sodium tetraethylborate 563
- Reijn, J.M., see Halvax, J.J. 473, 483
- Rein, J., see Furton, K.G. 263
- Reinhoudt, D.N., see Cobben, P.L.H.M. 307
- Robien, W., see Pretsch, E. 415
- Saab, W.
—, Sarda, A. and Cote, G.
Determination of trace metals in high-purity tungsten hexafluoride by electrothermal atomic absorption spectrometry after hydrolysis and selective removal of tungsten by liquid-liquid extraction 235
- Saha, B., see Kresbach, G.M. 615
- Sakai, T., see Tsurubou, S. 501
- Sarda, A., see Saab, W. 235
- Schmid, R.D., see Dremel, B.A.A. 351
- Schramm, W.
—, Paek, S.-H., Kuo, H.-H. and Yang, T.
Ultrafiltrate of saliva collected in situ for the measurement of testosterone 517
- Scott, L.D.L., see Vaughan, P.A. 361
- Seeber, R., see Deiana, S. 301
- Sekido, E., see Chayama, K. 511
- Serfass, R.E., see Smith, F.G. 229
- Shao, M.H.
Techniques and performance of the advanced regular simplex method 31
- Shi, L., see Li, Z. 257
- Shibamoto, T., see Tamura, H. 619
- Skotheim, T.A., see Hale, P.D. 155
- Smith, F.G.
—, Wiederin, D.R., Houk, R.S., Egan, C.B. and Serfass, R.E.
Measurement of boron concentration and isotope ratios in biological samples by inductively coupled plasma mass spectrometry with direct injection nebulization 229
- Smolander, K.
— and Kauppinen, M.
Direct determination of gold by d.c. argon plasma emission spectrometry 569
- Stevens, A.C.
— and Freiser, H.
Coated-wire cadmium ion-selective electrode based on the bidentate neutral carrier 4,4'-di(5-nonyl)-2,2'-bipyridine 315
- Stone, D.C., see Thompson, M. 143
- Strelow, F.W.E.
— and Victor, A.
Improved separation of palladium from base metals by cation-exchange chromatography 535
- Sudhölter, E.J.R., see Cobben, P.L.H.M. 307
- Tamura, H.
— and Shibamoto, T.
Factors affecting cyclization of alkenal-*N*-methylhydrazones used for trace aldehyde determination 619
- Tauler, R.
—, Casassas, E. and Izquierdo-Ridorsa, A.
Self-modelling curve resolution in studies of spectrometric titrations of multi-equilibria systems by factor analysis 447
- Tenhosaari, A.
Determination of molecular formulae from low-resolution mass spectral data by matching experimental and calculated isotope patterns of logical sets of daughter ion candidates 71
- Texter, J.
Aqueous silver-triazolium thiolate complexes 603
- Thompson, M.
—, Stone, D.C. and Nisman, R.
Response selectivity of etched surface acoustic wave sensors 143
- Town, R.M., see Powell, H.K.J. 95
- Townshend, A., see Yaqoob, M. 219
- Tsurubou, S.
—, Sakai, T., Kihara, S. and Matsui, M.
Liquid-liquid extraction of cinchona alkaloids by using some metal complexes of optically pure usnic acids 501
- Urbańska, J.
Reduction mechanism of cobalt(II)-malonate and -succinate complexes at a dropping mercury electrode 409
- Usai, M., see Deiana, S. 301
- Valdes, E.M., see Pletcher, D. 173
- Van Bennekom, W.P., see Halvax, J.J. 483
- Van der Linden, W.E., see Palys, M. 429
- Van Look, L.J.
— and Van Peteghem, C.H.
Solid-phase chemiluminescence immunoassay of methyl-testosterone with direct reading of the microtitre plate 207
- Van Peteghem, C.H., see Van Look, L.J. 207
- Vaughan, P.A.
—, Scott, L.D.L. and McAleer, J.F.

- Amperometric biosensor for the rapid determination of acetaminophen in whole blood 361
- Versluis, C., see Heerma, W. 553
- Victor, A., see Strelow, F.W.E. 535
- Voigtman, E., see Johnson, M.E. 195
- Vojnovic, D., see Favretto, L. 51
- Walily, A.F.E.
- , El-Anwar, F. and Zamel, S.
- Third-derivative spectrophotometric simultaneous determination of vitamins A and E in some pharmaceutical preparations 583
- Wang, Q., see Li, Z. 257
- Wasa, T., see Yao, T. 345
- Wegscheider, W., see Jančář, L. 459
- Wiederin, D.R., see Smith, F.G. 229
- Wiese, G., see Halvax, J.J. 473, 483
- Wigfield, D.C., see Daniels, R.S. 575
- Williams, R.R., see Abu Nader, P. 285
- Wilson, R., see Bowers, M.L. 127
- Wolfbeis, O.S., see Dremel, B.A.A. 351
- Xu, J., see Li, Z. 257
- Xue, Z.-L., see Ersin Karagözler, A. 163
- Yan, Y., see Hu, S. 103
- Yanagihara, T., see Nomura, T. 329
- Yang, T., see Schramm, W. 517
- Yao, T.
- , Kobayashi, N. and Wasa, T.
- Highly sensitive amperometric detection of nicotinamide coenzymes by use of an immobilized enzyme reactor involving amplification by substrate recycling 345
- Yaqoob, M.
- , Masoom, M. and Townshend, A.
- Flow-injection procedures for determination of iodide and iodate/iodide with spectrofluorimetric and spectrophotometric detection, respectively 219
- Yarnitzky, C., see Ashkenazi, P. 289
- Yavuz Ataman, O., see Ersin Karagözler, A. 163
- Yu, R., see Li, Z. 257
- Zamel, S., see Walily, A.F.E. 583
- Zhang, M., see Li, Z. 257
- Zhao, Z., see Hu, S. 103
- Zimmer, H., see Ersin Karagözler, A. 163
- Zupan, J.
- and Gasteiger, J.
- Neural networks: A new method for solving chemical problems or just a passing phase? Review 1